1

Leading and Supporting Improvement Projects

Minnesota Office of Continuous Improvement



Agenda





- 1. Welcome
- 2. How people react to change
- 3. Project context
- 4. 5 Elements of project success
- 5. Launching your project
- 6. Implementing changes
- 7. Monitoring results
- 8. Sustaining improvements

Learning Objectives



- Understand how people react to change
- Learn the 5 elements for successfully managing the people-side and technical-side of an improvement project
- Learn criteria for selecting an improvement project
- Know the roles, steps and tools for conducting an improvement project
- Build skills through simulation exercises



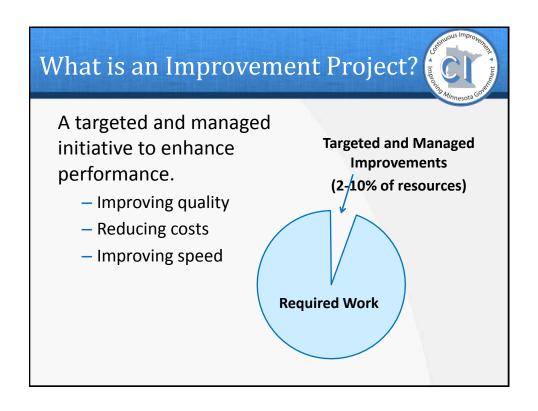
Welcome

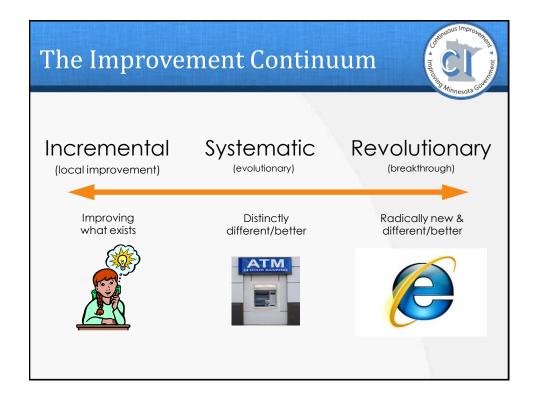


Please share your:

- Name
- Organization

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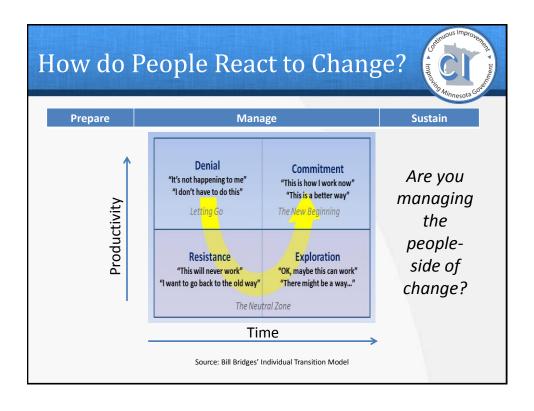


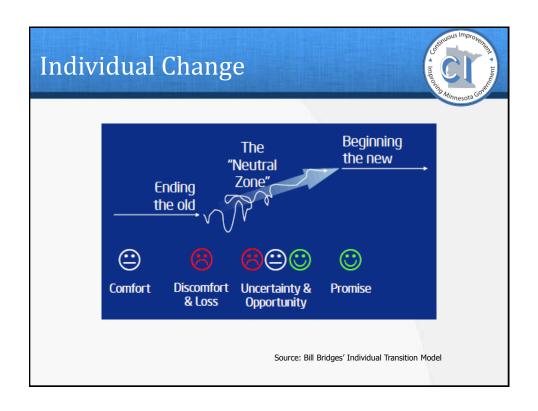


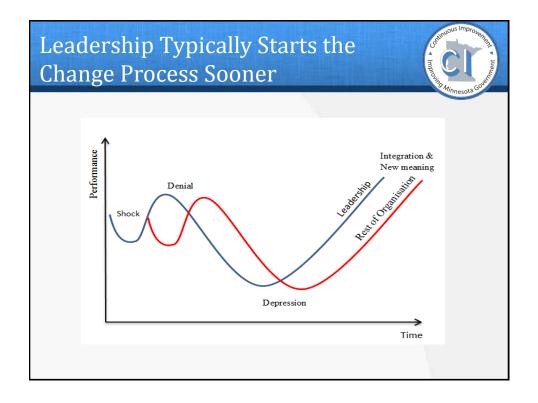
Improvement = Change

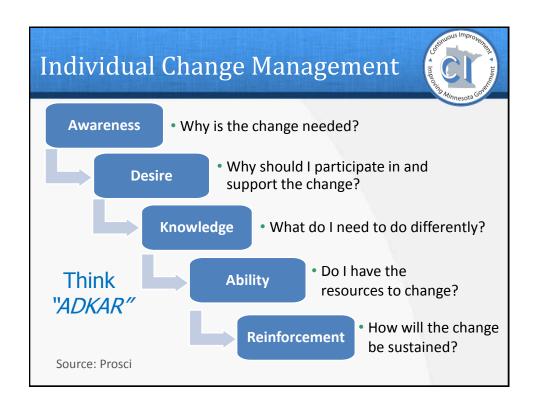


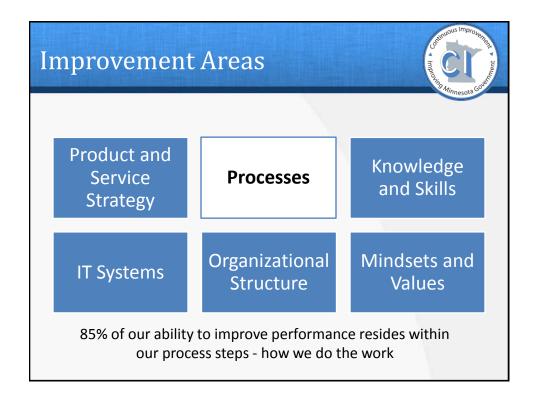
- How do People React to Change?
- Video











It's about the Process





"A bad process will beat a good person every time"

- W. Edwards Deming

How Do We Straighten the Pipes?



The work of government is noble.

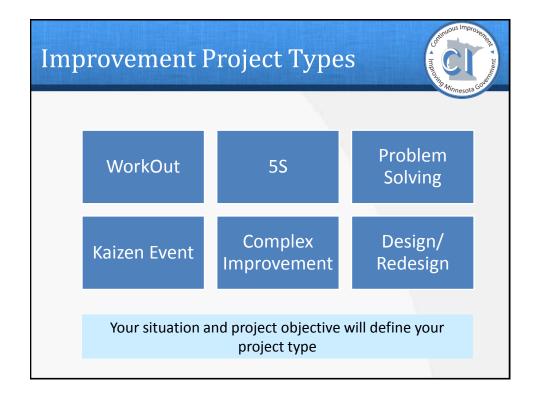
The people of government are amazing.

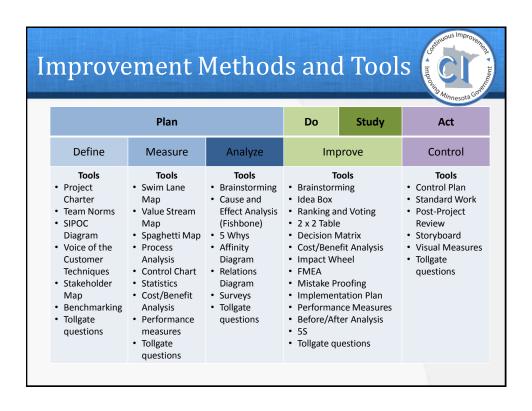
The systems of government are a mess.

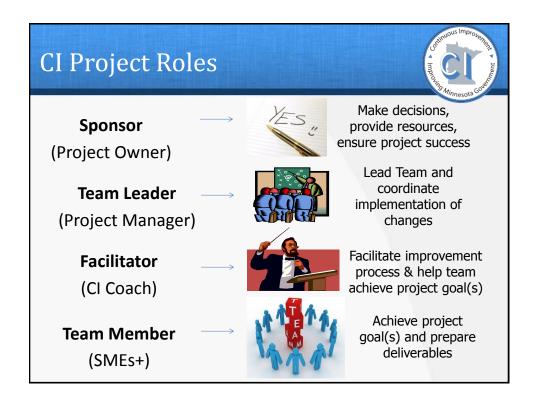
Ken Miller Extreme Government Makeover, 2011

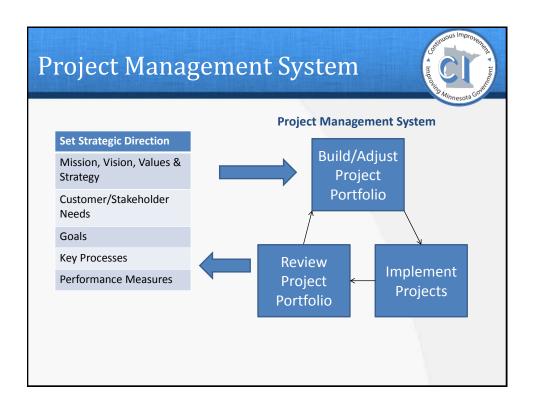


ome B	est Practice Approaches
CI Approach	Description
Six Sigma	An approach for reducing process errors and variation using improvement experts, a structured method (DMAIC)*, performance measures, and tools. * Define, Measure, Analyze, Improve, Control
Lean (TPS)	A mindset, method (PDCA/PDSA),* and set of tools for improving work areas and processes by eliminating waste. Some common Lean tools: 5S, Kaizen, standard work, error proofing, visual management, and 5 Whys. * Plan, Do, Study/Check, Act
Process Preparation (2P)	2P - An approach for engaging the creativity and lean knowledge of subject matter experts to design or dramatically redesign a process. Typical applications: developing specifications for new computer software and developing a process for a new service.
WorkOut	A management tool for quickly identifying and prioritizing improvement opportunities within a process (value stream) by engaging people who do the work.





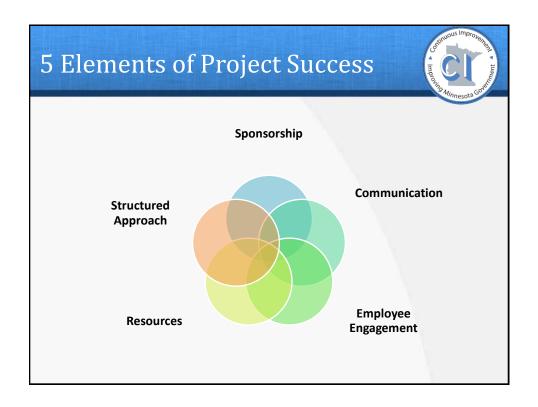




1. Small Group Exercise



- 1. Form small groups
- 2. Introduce yourselves
- 3. Label posters with your question
- 4. List team responses
- 5. Identify your top three
 - 6. Select a team name
 - 7. Select someone to report out
- 28. Small Group reports (2 minutes/group)



Sponsorship



- 1. Create or ratify project scope and goals
- 2. Provide frequent, 2-way communication
- 3. Show commitment in your words and actions
- 4. Allocate resources (people, time, materials, \$)
- 5. Approve changes/recommendations
- 6. Manage resistance and remove barriers
- 7. Ensure implementation
- 8. Reward and recognize employees

Sponsor is a verb – not a title

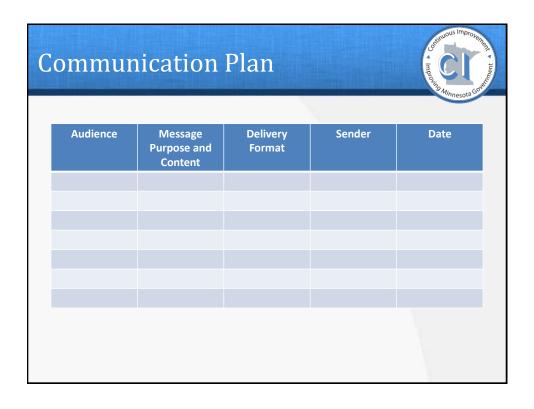
Communication **Employee Communication Needs** If there is No... Message Received... "It's not urgent" 1. Clear & compelling case for the change (what and why) 2. Resources (staff, time, \$) "It's not real" "It's not worth it" 3. Benefits of change (WIIFM) 4. Structured process and clear, "It's not going anywhere" achievable action plan "It's not possible" 5. Staff knowledge, skills and abilities in place 6. Reinforcement/consequences "It's not going to last"

Provide 2-Way Communication



- Communicate 7 times and 7 ways
- Provide a contact for people with questions, comments, or concerns
- Send the right message
- To the right audience
- At the right time
- From the right sender
- Through the right channel

Communicate before, during and after the project



Employee Engagement



- People support what they help to create early involvement builds buy in
- Morale and productivity increase when staff are able to improve their work
- Staff are closer to the customer, so typically know what is and is not working
- Tap into the wisdom of crowds leverage staff talent

Engage the Right People



Selecting Team Members:

- Process participants SMEs, Information suppliers, process customers
- Technical support IT, facilities, Internal control
- 1 outside set of eyes Not essential but good idea
- Balance CAVE dwellers



Resources



Do employees have:

- Clear performance expectations?
- Knowledge and skills?
- Ability / Time?
- Willingness?
- Equipment, materials, and tools?
- Encouragement?



Structured Approach



- Your situation will determine what approach and set of tools are most appropriate
- Manage both the technical and people-side of change
- Involve a CI coach, facilitator, project manager, or OD practitioner to determine the best approach
- Have a clear and realistic action plan
- Monitor and manage performance
- Adjust and sustain improvements

Project Phases



	Plan		Do	Study	Act
Define	Measure	Analyze	lmpi	rove	Control
What results do we want?	Where should we focus?	What are the root causes of problems?	What so shoul impler Did the s achieve or resu	d we ment? olutions ur desired	What adjustments should we make? How will we sustain results?

Pr	Project Steps Project Steps						
		ae e	Identify, prioritize and select improvement projects				
		Define	2. Set project scope and goals				
	Plan	Measure	3. Understand the current situation				
		Analyze	4. Analyze the current situation (define root causes)				
			5. Define a vision of success				
	Do l	e v	6. Generate, evaluate and select improvements				
		Improve	7. Implement changes and make adjustments				
	Study	드	8. Measure performance				
	Act	trol	9. Document standard work and lessons learned				
		Contro	10. Sustain improvement				

1. Select Improvement Project



- Environmental scan review performance data
- Go to the "Gemba"
- Benchmark other organizations
- Research promising practices
- Ask performance improvement questions
- Solicit input from stakeholders
 - Conduct a WorkOut
 - Surveys, focus groups, interviews, and suggestion boxes - only if you will act on the information and share results!

Project Selection Criteria Strategic importance **Alignment** Project will benefit a large number of stakeholders/customers **Impact** Process involves a lot of internal resources to administer Process is important and has high visibility to stakeholders/customers Public perception/pressure regarding the need for improvement Process is not working well (complaints, rework, defects, unhappy staff) Need It is a core business process that affects many other processes Staff have the time and resources (equipment, materials, training, facilitation support) to participate in the project and implement changes Ability Data is available to understand the current state and track performance Manager is committed to making needed changes Employees willing to serve on a team and implement project changes Willingness Employees are dissatisfied with the current state (i.e., pain level is high)

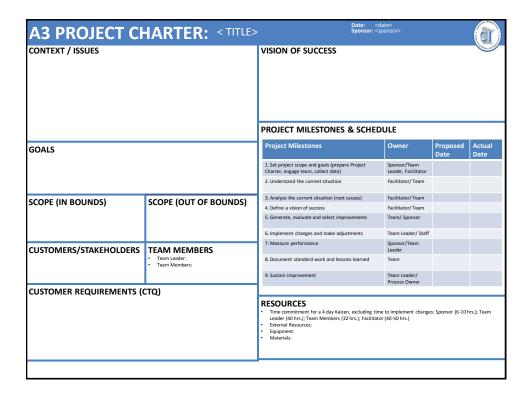
2. Set Project Scope and Goal



- What is IN scope (first step & last step)?
- What is OUT of scope?
- What are the project parameters or givens?
- Elements of a good (SMART) project goal:
 - 1. Defines the topic /process
 - Provides the direction of improvement (increase or decrease)
 - 3. Specifies improvement area (time, defects, % complete and accurate, cost, satisfaction)
 - 4. Includes current and targeted performance levels
 - Is clear and easy to communicate
 - 6. Is approved by the project sponsor
 - 7. Aligns with the organization's strategic priorities

Example: Reduce the time it takes to pack a meal box from 3 minutes to 1.5 minutes by <date>.





Hold Project Kickoff



Purpose: Get everyone on the same page.

- Components:
 - 1. Subject area (project title)
 - 2. Why the project is needed including risk of not changing (sticking with status quo)
 - 3. Anticipated customer and staff impacts (positive and negative)
 - 4. Team/staff expectations and responsibilities, including time commitment
 - 5. Contact person for questions, comments and concerns
 - 6. Answer staff questions
 - 7. Consider signing a "Project Commitment"
 - 8. Provide training or team building (e.g., CI/Lean)

Change begins with understanding why

3. Understand the Current Situation



- Prepare a SIPOC diagram
- Conduct a stakeholder analysis and define customer requirements
- Map the current state process
- Collect customer, program, and process data

For a deeper dive into defining and collecting metrics take the *Process Improvement Measurement* course

Define Customers Requirements



- End Users: people who use your products to achieve a desired outcome(s).
- **Brokers:** agents of the producer or users who transfer or assist someone to use your products and services.
- **Fixers:** agents who repair, correct, modify or adjust products for the benefit of the user.

In government, taxpayers are analogous to Investors. They are an important stakeholder, but not the primary driver of service design and delivery. End user customers are the most important customer and who we should have in mind when we design and deliver a service/product.

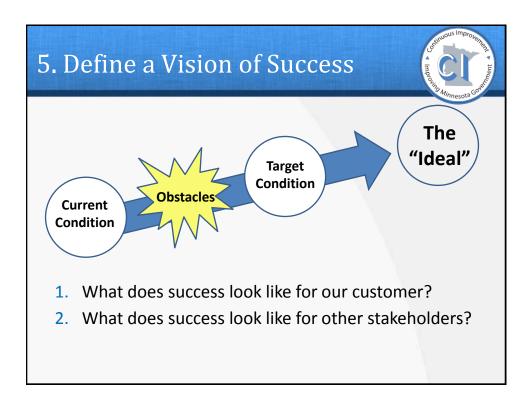
Ren Miller, "We Don't Make Widgets"

4. Analyze the Current Situation



- Identify process strengths and weaknesses
 - What steps are value-added?
 - Where are the 8 Wastes?
 - How close is the process to an "Ideal" process?
- Define root causes
 - 5 Whys
 - Fishbone Diagram
 - Affinity and Relations Diagrams

To learn how to apply root cause analysis tools take the Problem Solving course



6. Generate Ideas/Solutions

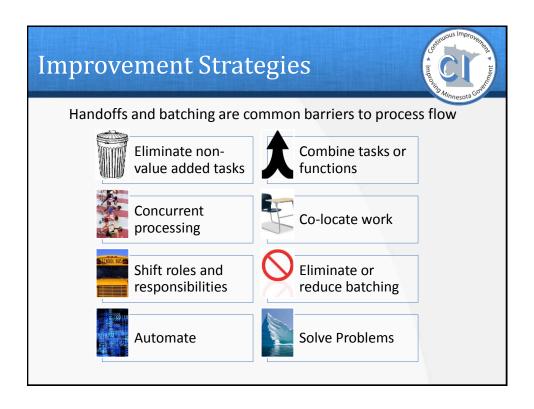


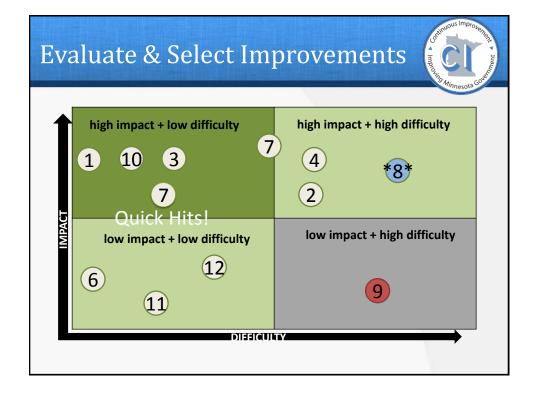
Brainstorming Rules:

- Defer judgment
- Strive for quantity
- Seek unusual & wild ideas
- Combine & build on ideas



- Set a quota for the number of ideas to ensure divergent thinking





7. Implement Changes



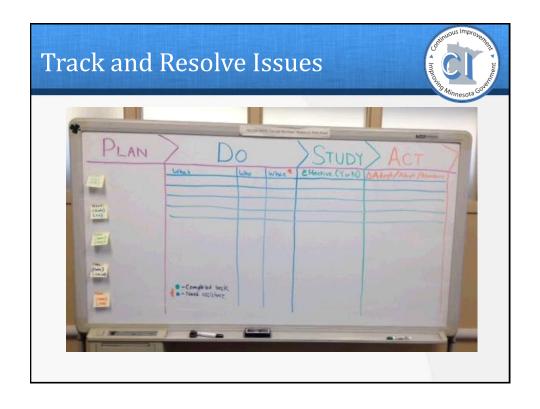
- 1. Pilot test improvements
- Make needed adjustments (rapid tests of change)
- 3. Develop an action plan for full-scale deployment of changes
 - Include in your action plan how and when you will monitor performance
 - Have a strategy for identifying and resolving issues, including resistance
- 4. Implement changes ... and make adjustments

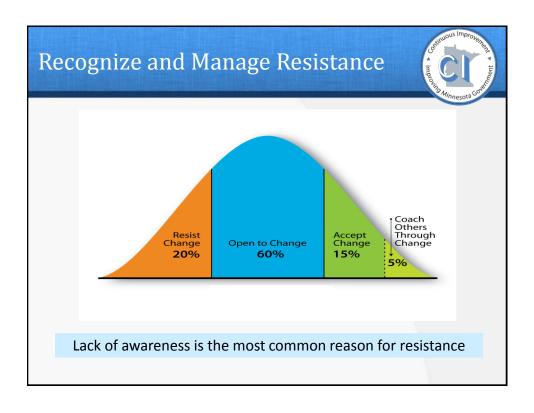
Change Readiness Ruler

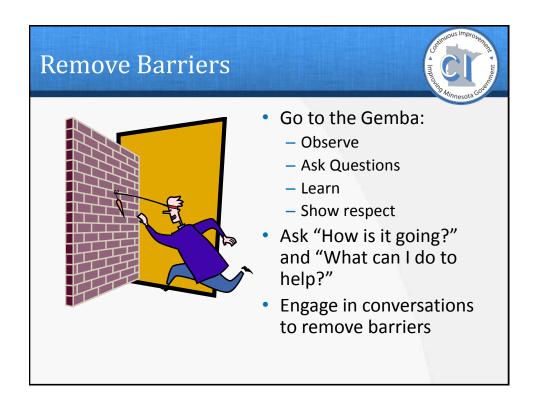


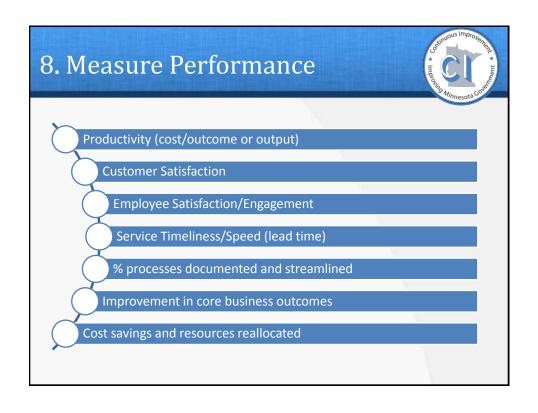
- Pick one of your solutions
- Rate your comfort level with the change
- Share results with your team
- Discuss possible reasons for lower ratings, and what actions might improve readiness for the change

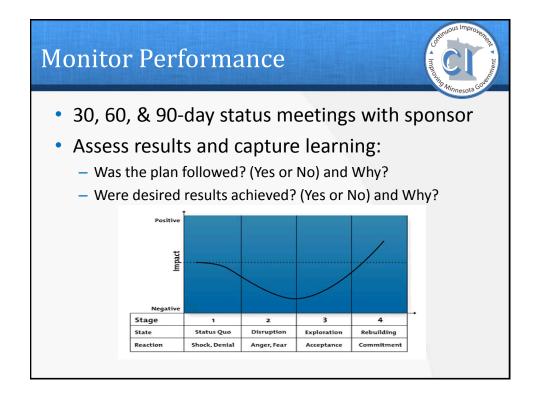
What Who When Status* 1. 2. 3. 4. * Green = on schedule, Yellow= slightly behind schedule, Red = significantly behind schedule

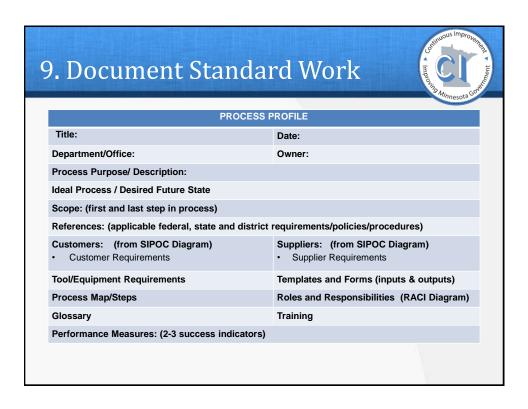












Capture Lessons Learned



- Review Project Charter and goals
- What did we accomplish?
- Where did we struggle?
- What questions do we still need to answer?
- What did we learn?
- What actions should we take to capture our learning and leverage our ability to improve our services for customers and staff?

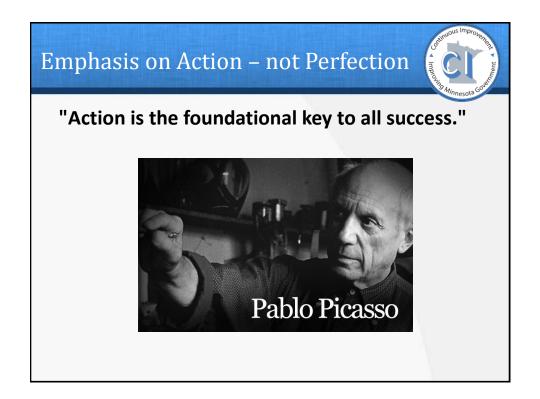
10. Sustain Improvement



- Close action plan and transfer responsibility for sustainment to process owner
- Make sure people do not slip back to the "old way of doing things"
- When results are not achieved or sustained:
 - Performance potential is not realized
 - Momentum is lost
 - Credibility diminished
 - Cynicism and frustration increases
 - Status quo prevails
- Expect to improve a process multiple times (3-5 times) to remove wastes and get closer to the "Ideal"

Reinforce Desired Behaviors Consequences **Short-term** Long-term Formal and informal Performance recognition measures Performance reviews Job descriptions Coach & mentor Promotion Celebrations Celebrations Change job Crucial conversations Demotion Probation Fire Corrective action plan Transfer







Learn More!



- Books
 - Ken Miller's We Don't Make Widgets
 - John P. Kotter's Leading Change
 - Ken Miller's Extreme Government Makeover
- Join the State of MN CI User Group and Yammer Network: yammer.com/minnesota continuousimprovementcommunity
- Take additional training

For More Information



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Thank You!